



684.3275 REI

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of:	)	Previous
YOSHIKI SHIRATO, ET AL.	)	Examiner: J. Hartary
Reissue of: U.S. Patent No. 5,933,165	)	Group Art Unit: 2853
Issue Date: August 3, 1999	)	
Reissue Appln. No.: 09/921,333	)	
Filed: August 3, 2001	)	
For: INK JET RECORDING APPARATUS	)	
AND METHOD USING INK JET	)	
HEAD HAVING U-SHAPED WIRING	)	

Commissioner for Patents  
Washington, DC 20231

**ATTENTION: APPLICATION DIVISION  
SPECIAL HANDLING UNIT**

REISSUE APPLICATION DECLARATION BY  
THE INVENTORS AND POWER OF ATTORNEY

Sir:

As a below named joint inventor, I hereby declare and say that:

1. I believe that I am an original, first and joint inventor of the subject matter which is claimed in the subject reissue application and for which a reissue patent is sought on the invention entitled INK JET RECORDING APPARATUS AND METHOD USING INK JET HEAD HAVING U-SHAPED WIRING.

2. I have reviewed and understand the contents of the reissue application, including the claims.

3. I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

4. I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or §365(b), of the foreign application for patent identified below and have also identified below any foreign application for patent or inventor's certificate or PCT international application having a filing date before that of the application on which priority is claimed:

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Priority Claimed</u>
Japan	54-39478	April 2, 1979	Yes

5. I verily believe the original patent to wholly or partly inoperative or invalid by reason of the patentees claiming more or less than they had the right to claim in the patent.

6. I believe that the above-referenced patent is partly inoperative by reason of my having claimed less than I had the right to claim. Specifically, new claims 6-25 should be included in the patent. The new claims 6-25 are broader in some aspects and narrower in other aspects than original patent claims 1-5. New claims 14-17, for example, recite "each heat generating resistance member being a planar member having a longer side extending along the liquid passageway and a shorter side orthogonal to the liquid passageway, with the longer side having a length at least two times as long as the length of the shorter side." New claims 18-21, for example, recite "each selective electrode, ground electrode and corresponding heat generating resistance member are laminated in at least two layers." New claims 22-25, for example, recite "each said pair of electrodes and each corresponding heat generating resistance member are laminated in layers." The original claims did not recite such features.

7. All errors which are being corrected in the present reissue application up to the time of filing this declaration arose without any deceptive intent on my part.

8. The errors to be remedied by this reissue application arose due to the failure to appreciate that the claims directed to an embodiment of my invention were rewritten more narrowly than the scope of my actual invention as disclosed in the originally filed application.

9. I hereby appoint the practitioners associated with the firm and Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and direct that all correspondence be addressed to the address associated with that Customer Number:

**FITZPATRICK, CELLA, HARPER & SCINTO**

**Customer Number: 05514.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole Inventor YOSHIAKI SHIRATO

Inventor's signature Yoshiaki Shirato

Date DECEMBER 27, 2001 Citizen/Subject of JAPAN

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Inventor's signature Yasushi Takatori

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Inventor's signature Toshitami Hara

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Full Name of Fourth Joint Inventor YUKIO NISHIMURA

Inventor's signature Yukio Nishimura

Date January 10, 2002 Citizen/Subject of JAPAN

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Post Office Address Ditto

Full Name of Fifth Joint Inventor MICHIKO TANAKA

Inventor's signature Michiko Tanaka

Date January 14, 2002 Citizen/Subject of JAPAN

Residence Yokohama-shi, JAPAN

Post Office Address Ditto

MAW:mt

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JOINT

## ASSIGNMENT OF ENTIRE INTEREST IN AN INVENTION

WHEREAS we, YOSHIAKI SHIRATO, YASUSHI TAKATORI, TOSHITAMI HARA,  
YUKUO NISHIMURA and MICHIKO TAKAHASHI

subjects of Japan, respectively, at

3-3, Susukino, Midori-ku, Yokohama-shi, Kanagawa-ken, Japan,  
31-15, Kamitsuruma 4-chome, Sagami-hara-shi, Kanagawa-ken, Japan,  
5-15, Yayoi 1-chome, Bunkyo-ku, Tokyo, Japan,  
350-2, Unomori, Sagami-hara-shi, Kanagawa-ken, Japan and  
397, Higashi Ohizumimachi, Nerima-ku, Tokyo, Japan

have jointly invented a certain improvement in DROPLET FORMING APPARATUS

for which we are about to make application for Letters Patent of the United States of America and

WHEREAS CANON KABUSHIKI KAISHA

a corporation duly organized under the laws of Japan, and having its principal office at

30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, Japan

and duly represented by RYUZABURO KAKU, its President, is desirous of acquiring the same:

NOW THEREFORE, in consideration of the payment of lawful money and other consideration, the receipt of which we hereby acknowledge,

we, YOSHIAKI SHIRATO, YASUSHI TAKATORI, TOSHITAMI HARA,  
YUKUO NISHIMURA and MICHIKO TAKAHASHI

by these present do sell, assign and transfer unto the said CANON KABUSHIKI KAISHA

the full and exclusive right for the territory of the United States of America in and to said inventions, as described in the specification executed by us on the 17th day of March, 1980, entitled: DROPLET FORMING APPARATUS

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preparatory of obtaining Letters Patent of the United States of America therefore, and an invention to be described in a continuation-in-part application, if this be filed in later; said invention, application, and Letters Patent to be held and enjoyed by the said

CANON KABUSHIKI KAISHA

for his own use and behoof, and for his legal representative, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

Executed at Tokyo, Japan this 17th day of March 19 80

In the presence of:

Hajime Mitara  
HAJIME MITARAI:  
Executive Director of  
CANON KABUSHIKI KAISHA

By Yoshiaki Shirato 19 80  
Yoshiaki Shirato x.s  
YOSHIAKI SHIRATO

By Yasushi Takatori  
YASUSHI TAKATORI

By Toshitami Hara  
TOSHITAMI HARA

By Yuku Nishimura  
YUKUO NISHIMURA

By Michiko Takahashi  
MICHIKO TAKAHASHI

Commissioner of  
Patents & Trademark  
Office

RECORDED  
MAR 24 1980  
PATENT & TRADEMARK OFFICE

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Washington, DC 20231


STATEMENT PURSUANT TO 37 CFR 3.73(b)

Sir:

The assignee of the entire interest in the above-identified reissue application is CANON KABUSHIKI KAISHA as evidenced by the assignment recorded in the U.S. Patent and Trademark Office at reel 3750, frame 0883, a copy of which is attached hereto. The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

CANON KABUSHIKI KAISHA

Date: December 10, 2001

By:   
Nobuyoshi Tanaka, Ph.D.  
Title: Managing Director  
Group Executive Corporate  
Intellectual Property and Legal  
Headquarters



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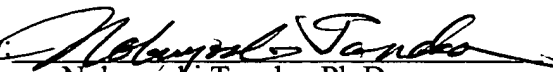
ASSENT OF ASSIGNEE TO REISSUE UNDER 37 CFR 1.172

Sir:

The assignee of the entire interest in United States Letters Patent No. 5,933,165, hereby assents to the above-identified application to reissue such Letters Patent. The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

CANON KABUSHIKI KAISHA

Date: December 10, 2001

By:   
Nobuyoshi Tanaka, Ph.D.  
Title: Managing Director  
Group Executive Corporate  
Intellectual Property and Legal  
Headquarters